

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A fuel cell system comprising:  
a reservoir for a cryogenic medium ~~media~~ for providing a fuel;  
a fuel cell unit containing at least one fuel cell connected to receive the fuel from the reservoir;  
a cooling circuit for cooling the fuel cell unit; and  
a heating circuit including at least one first heat exchanger for heating the cryogenic medium provided from the said-reservoir to the said-fuel cell unit, the said-heating circuit being coupled directly to the cooling circuit for the fuel cell unit.
2. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~; wherein a cooling device is provided within the heating circuit of the reservoir, for cooling ~~the~~ power electronics of the fuel cell system.
3. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~; wherein a condenser is provided within the heating circuit of the reservoir, for condensing a medium of the fuel cell system.
4. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~; wherein the cooling circuit of the fuel cell unit includes a second heat exchanger, in the form of ~~one of~~ a radiant heat exchanger or a ~~and~~ convection heat exchanger.

5. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~, wherein the at least one first heat exchanger includes a plate-type heat exchanger is ~~provided as the first heat exchanger~~.

6. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~, wherein the cryogenic medium is liquid hydrogen.

7. (Currently Amended) The fuel cell system of claim ~~in accordance with Claim 1~~, wherein the fuel cell unit comprises at least one PEM fuel cell.

8. (Currently Amended) A method for generating gaseous fuel from a cryogenic medium in a fuel cell system which includes a reservoir for storing the said cryogenic medium, a fuel cell unit coupled to receive the said gaseous fuel, and a cooling circuit for circulating a cooling medium for cooling the said fuel cell unit, the said method comprising:

transferring heat from the said cooling medium to the said cryogenic medium by means of a heat exchanger connected between the said reservoir and the said fuel cell unit; by causing cooling medium from the said cooling circuit to flow through the said heat exchanger.